

PTO-1449 REPRODUCED

ATTORNEY DOCKET NO.
2856.1001-011APPLICATION NO.
10/016,496SUPPLEMENTAL INFORMATION
DISCLOSURE CITATION
IN AN APPLICATIONFIRST NAMED INVENTOR
H. William HarrisFILING DATE
December 10, 2001

July 30, 2004

EXAMINER
Not yet assignedCONFIRMATION NO.
7764GROUP
1646

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL	REF. NO.	DOCUMENT NUMBER Number-Kind Code (if known)	ISSUE DATE / PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT
NW	AB	3,777,709	12/11/1973	Anderson <i>et al.</i>
	AC	5,688,938	11/18/1997	Brown <i>et al.</i>
	AD	20030082574 A1	05/01/2003	Harris <i>et al.</i>
	AE	20030124657 A1	07/03/2003	Harris <i>et al.</i>
	AF	6,564,747 B2	05/20/2003	Harris <i>et al.</i>
	AG	6,463,882 B1	10/15/2002	Harris <i>et al.</i>
	AH	20030124090 A1	07/03/2003	Harris <i>et al.</i>
V	AI	20030051269 A1	03/13/2003	Harris <i>et al.</i>

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DATE CONSIDERED

12/24/04

PTD-1449 REPRODUCED SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION July 30, 2004 (Use several sheets if necessary)	ATTORNEY DOCKET NO. 2856.1001-011		APPLICATION NO. 10/016,496	
	FIRST NAMED INVENTOR H. William Harris		FILING DATE December 10, 2001	
	EXAMINER Not yet assigned		CONFIRMATION NO. 7764	GROUP 1646

FOREIGN PATENT DOCUMENTS					
		DOCUMENT NUMBER Country Code-Number-Kind Code (if known)	DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	TRANSLATION YES NO
NSB	AN	WO 02/30215 A2	04/18/2002	Aquabio Products Sciences LLC	

EXAMINER Nirma SB	DATE CONSIDERED 12/24/04
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PTQ-1449 REPRODUCED		ATTORNEY DOCKET NO. 2856.1001-011		APPLICATION NO. 10/016,496	
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				GROUP 1646	



OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AU2	Fuleihan, G. E., et al., "Calcium Modulation of Adrenocorticotropin Levels in Women-A Clinical Research Center Study," <i>The Journal of Clinical Endocrinology & Metabolism</i> , 81(3): 932-936 (1996). (CORRECTED, please see remarks in Supplemental Information Disclosure Statement transmittal) <i>reference not provided.</i>
NID	AYS	Baum, M., et al., "Recent Insights Into the coordinate regulation of body water and divalent mineral ion metabolism," <i>AM. J. Medical Sciences</i> , 316(5): 321-328 (1998).
NB	AZ5	Baum, M.A. et al., "An apical extracellular calcium/polyvalent cation sensing receptor (CaR) present in the osmoregulatory organs of salt water (SW) and fresh water (FW) fish likely plays a role in salinity adaptation," <i>J. of the Am. Soc. of Neurology</i> 7(9):1276 (1996).
NH	AR6	Elger, E. B. et al, "Effect of adrenergic blockage with Bretylium and Phentolamine on Glomerular Filtration Rate in the Rainbow Trout, <i>Salmo Gairdneri</i> rich, adapting to Saline Water," <i>Comparative Biochemistry and Physiology</i> , 75C: 253-258 (1983).
NL	AS6	Folmar, Leroy, C. and Dickhoff, W. W., "The Parr - Smolt Transformation (Smoltification) and Seawater Adaptation in Salmonids," <i>Aquaculture</i> , 21: 1-37 (1980).
NH	AT6	Solanki, T. G. et al., "Changes in the Mucous Cells of the Gills Buccal Cavity and Epidermis of the Nine-Spined Stickleback <i>Pungitius-Pungitius</i> Induced by Transferring the Fish to Sea Water," <i>Journal of Fish Biology</i> , 21(5):563-576 (1982).
NH	AU6	Clark, M.S., et al., "Sparus aurata mRNA for extracellular calcium sensing receptor precursor (casr gene)," <i>EMBL Databse Accession no: AJ289717</i> (June 9, 2001).
NH	AV6	Clark, M.S., et al., "Calcitonin: Characterisation and Expression in a Teleost Fish, <i>Fugu rubripes</i> ," <i>Journal of Molecular Endocrinology</i> , 28: 111-123 (2002).

EXAMINER N. S. J. B.	DATE CONSIDERED 12/24/04
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PTO-1449 REPRODUCED				ATTORNEY DOCKET NO. 2856.1001-011		Prior APPLICATION NO. 10/016,496	
INFORMATION DISCLOSURE CERTIFICATION IN AN APPLICATION July 23, 2002 JUL 26 2002 U.S. PATENT & TRADEMARK SERVICE				APPLICANT H. William Harris, et al.			
				FILING DATE December 10, 2001		GROUP 1646	
U.S. PATENT DOCUMENTS							
EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
NB	AA	4,703,008	10/27/87	Lin	435	240.2	
	AB						
	AC						
	AD						
	AE						
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	AH						
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
NA	AL	WO 97/35977	02/10/97	PCT			
MW	AM	WO 98/15627	16/04/98	PCT			
	AN						
	AO						
	AP						
	AQ						
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
NID	AR	Aida, K., et al., "Molecular Cloning of a Putative Ca ²⁺ Sensing Receptor cDNA from Human Kidney," <i>Biochemical and Biophysical Research Communications</i> , 214(2):524-529 (1995)					
	AS	Alberts, B., et al., "Cell Junctions, Cell Adhesion, and the Extracellular Matrix," <i>Molecular Biology of The Cell</i> , 950-954 PUBLICATION YEAR MISSING					
	AT	Anast, C.S., et al., "Evidence for Parathyroid Failure in Magnesium Deficiency," <i>Science</i> , 177:606-608 PUBLICATION YEAR MISSING					
EXAMINER N. and S. Bar				DATE CONSIDERED 12/24/04			

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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
413	AU	Brown, E.M., et al., "Cloning and Characterization of an Extracellular Ca ²⁺ -Sensing Receptor from Bovine Parathyroid," <i>Nature</i> , 366:575-580 (1993)					
	AV	Brown, E.M., et al., "Calcium-Ion-Sensing Cell-Surface Receptors," <i>The New England Journal of Medicine</i> , 333(4):234-240 (1995)					
	AW	Darnell, J., et al., "The Plasma Membrane," Chapter 13 in <i>Molecular Cell Biology</i> , 516-520 (1990)					
	AX	Davenport, J., "Synopsis of Biological Data on the Lumpsucker," <i>Food and Agriculture Organization of the United Nations</i> , Synopsis No. 147 pp. 1-19 (1985)					
	AY	Du, S.J., et al., "Growth Enhancement in Transgenic Atlantic Salmon by the Use of an "All Fish" Chimeric Growth Hormone Gene Construct," <i>Bio/Technology</i> 10:176-181 (1992)					
	AZ	Evans, D.H., "Osmotic and Ionic Regulation," Chapter 11 in <i>The Physiology of Fishes</i> , (CRC Press, Boca Raton, FL) pp. 315-341 (1993)					
	AR2	Evans, G.H., et al., "Association of Magnesium Deficiency with the Blood Pressure-Lowering Effects of Calcium," <i>Journal of Hypertension</i> , 8(4):327-337 (1990)					
	AS2	Fauci, A.S., et al., "Cardinal Manifestations and Presentation of Diseases," <i>Principles of Internal Medicine</i> , p. 260 Publication year missing.					
EXAMINER		Nim Sh		DATE CONSIDERED		12/24/02	

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2856.1001-011	Prior APPLICATION NO. 10/016,496
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
AT2	Benkel, Y., et al., "Hypocalciuria of Preeclampsia Is Independent of Parathyroid Hormone Level," <i>Obstetrics & Gynecology</i> , 77(5):689-691 (1991)		
AU2	Fuleihan, G.E., et al., "Calcium Modulation of Adrenocorticotrophic Hormone Levels in Women," <i>Endocrine-Hypertension Division and Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, Boston, MA 02115</i> , pp. 1-3	PUBLICATION YEAR MISSING	
AV2	Gamba, G., et al., "Primary Structure and Functional Expression of a cDNA Encoding the Thiazide-Sensitive, Electroneutral Sodium-Chloride Cotransporter, <i>Proc. Natl. Acad. Sci.</i> 90:2749-2753 (1993)		
AW2	Gardner, W.D. and Osburn, W.A., "Structure of the Human Body," <i>Genitourinary System</i> pp. 365-366 (1967)		
AX2	Garrett, J.E., et al., "Molecular Cloning and Functional Expression of Human Parathyroid Calcium Receptor cDNAs," <i>The Journal of Biological Chemistry</i> , 270(21):12919-12925 (1995)		
AY2	Hedemann, L., et al., "The Familial Magnesium-losing Kidney," <i>Acta Med Scand</i> 219(1):133-6 (1986)		
AZ2	Hew, D.L., et al., "Antifreeze Protein Gene Transfer in Atlantic Salmon," <i>Molecular Marine Biology and Biotechnology</i> 1(4/5):309-317 (1992)		
AR3	Lonning, S., et al., "A Comparative Study of Pelagic and Demersal Eggs from Common Marine Fishes in Northern Norway," <i>Sarsia</i> , 73:49-60 (1988)		
AS3	Norris, D.O., "Endocrine Regulation of Iono-Osmotic Balance in Teleosts," Chapter 16 in <i>Vertebrate Endocrinology</i> , Lea and Fabiger, eds. (Philadelphia, PA) pp. 425-443 (1985)		
AT3	Plotkin, M.D., et al., "Localization of the Thiazide Sensitive NA-CL Cotransporter (TSC) in the Mammalian Kidney," <i>J. Am. Soc. Nephrol.</i> , 6:349A (1995)		
AU3	Ramos, L.S., et al., "Urinary Calcium As an Early Marker for Preeclampsia," <i>Obstetrics & Gynecology</i> , 77(5):685-688 (1991)		
AV3	Riccardi, D., et al., "Cloning and Functional Expression of a Rat Kidney Extracellular Calcium/Polyvalent Cation-Sensing Receptor," <i>Proc. Natl. Acad. Sci. USA</i> 92:131-135 (1995)		
✓ AW3	Roberts, J.M., "Prevention or Early Treatment of Preeclampsia," <i>The New England Journal of Medicine</i> 337:124-125 (1997)		
EXAMINER Nimal S Ban		DATE CONSIDERED 12/24/04	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
NSD	AX3	Rokaw, M., et al., "Rapamycin(RAP) Stimulates Sodium Transport in A6 Cells Through Inhibition of Protein Kinase C (PKC), "J. Am. Soc. Nephrol 6:349A (1995)	
	AY3	Renfro, J.L., "Water and Ion Transport by the Urinary Bladder of the Teleost <i>Pseudopleuronectes Americanus</i> ," <i>American Journal of Physiology</i> 228(1):52-61 (1975)	
	AZ3	Sands, A.T., et al., "High Susceptibility to Ultraviolet-Induced arcinogenesis in Mice Lacking XPC," <i>Nature</i> 377:162-165 (1995)	
	AR4	Sands, J.M., et al., "Apical Extracellular Calcium/jPolyvalent Cation-sensing Receptor Regulates Vasopressin-elicited Water Permeability in Rat Kidney Inner Medullary Collecting Duct," <i>J. Clin. Invest.</i> 99(6):1399-1405 (1997)	
	AS4	Siner, J., "Cloning of an Aquaporin Homologue Present in Water Channel Containing Endosomes of Toad Urinary Bladder," <i>Am. J. Physiol.</i> 270:C372-C381 (1996)	
	AT4	Targovnik, J.H., et al., "Regulation of Parathyroid Hormone Secretion in Vitro: Quantitative Aspects of Calcium and Magnesium Ion Control," <i>Endocrinology</i> 88:1477-1482 (1971)	
	AU4	Taufield, P.A., et al., "Hypocalciuria in Preeclampsia," <i>N Engl J Med</i> 316(12):715-718 (1987)	
	AV4	Yamagami, K., et al., "Molecular and Cellular Basis of Formation, Hardening, and Breakdown of the Egg Envelope in Fish," <i>International Review of Cytology</i> , 136:51-92 (1992)	
	AW4	Veillette, P.A., et al., "Cortisol Mediates the Increase in Intestinal Fluid Absorption in Atlantic Salmon during Parr-Smolt Transformation," <i>General and Comparative Endocrinology</i> 97:250-258 (1995)	
	AX4	Zadunaisky, J.A., et al., "Osmolarity and Cell Volume Changes of Chloride Cells: The Nature of the Rapid Signal for Adaptation to Salinities of <i>Fundulus Heteroclitus</i> ," <i>Bull. MDI Biol. Lab.</i> , 32:152-156 (1992)	
✓	AY4	Cole, et al., "Isolation and Characterization of Pleurociden, an Antimicrobial Peptide in the Skin Secretions of Winter Flounder," <i>J. Biol. Chem.</i> 272:12008-12013 (1997)	
EXAMINER Nina S. H.		DATE CONSIDERED 12/14/04	

PTO-1449 REPRODUCED		ATTORNEY DOCKET NO. 2856.1001-011	Prior APPLICATION NO. 10/016,496
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OTHER DOCUMENTS (1974-1997) Author, Title, Date, Pertinent Pages, Etc.)			
NIS	A24	Forster, R. P., et al., "Formation of excretory products," Chapter 5 of Fish Physiology, Academic Press, New York, NY, pages 313-345 (1969).	
	AR5	Elger, E.B. et al., "Adaption of renal function to hypotonic medium in winter flounder," <i>J. Comp. Physio.</i> B157:21-30 (1987)	
	AS5	Bai, M., et al., "Expression and characterization of inactivating and activating mutations in human Ca^{2+} Sensing Receptor," <i>J. Biol. Chem.</i> , 272:19537-19545 (1996)	
	AT5	Brown, E.M., et al., "A comparison of the effects of divalent and trivalent cations on parathyroid hormones release," <i>Endocrinol.</i> , 127:1064-1071 (1990)	
	AU5	Ward, P.T. et al., "Disulfide Bonds in the Extracellular Calcium-Polyvalent Cation-Sensing Receptor Correlate with Dimer Formation and its Response to divalent cations in Vitro," <i>Am Soc. Biochem. Mol. Bio.</i> , 272:23; 14478-14483 (1998)	
	AV5	Naito, T. et al. "Putative pheromone receptors related to the Ca^{2+} -sensing receptor in Fugu," <i>Proc. Natl. Acad. Sci.</i> , 95:5178-5181 (April 1998).	
	AW5	J. Nearing, et al., "Cloning and Expression of a Homologue of the Calcium (Ca^{2+})/Polyvalent Cation Receptor (CaR) Protein That Acts as a Magnesium (Mg^{2+}) Sensor in Dogfish Shark (<i>Aqualus acanthias</i>) Kidney," ASN 30 th Annual Meeting, November 2-5 1997	
✓	AX5	Ryba, N.J., et al., "A New Multigene Family of Putative Pheromone Receptors," <i>Neuron</i> , 19(2):371-379 (1997)	
EXAMINER N. J. Ryba		DATE CONSIDERED 12/24/04	